

FORM
2A

Rev
04/01

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

2591484

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 309905

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a standalone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this Assessment will allow for the construction of the below specified location; however, it does not supersede any land use rules applied by the local land use authority. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

309905

Expiration Date:

02/09/2014

This location assessment is included as part of a permit application.

1. CONSULTATION

- This location is included in a Comprehensive Drilling Plan. CDP # _____
- This location is in a sensitive wildlife habitat area.
- This location is in a wildlife restricted surface occupancy area.
- This location includes a Rule 306.d.(1)A.ii. variance request.

2. Operator

Operator Number: 10110
 Name: GREAT WESTERN OIL & GAS COMPANY LLC
 Address: 503 MAIN ST
 City: WINDSOR State: CO Zip: 80550

3. Contact Information

Name: JEFF REALE
 Phone: (970) 686-8831
 Fax: (866) 413-3354
 email: JREALE@GWOGCO.COM

4. Location Identification:

Name: GUSTAFSON Number: 31-52
 County: WELD
 QuarterQuarter: NENW Section: 31 Township: 7N Range: 65W Meridian: 6 Ground Elevation: 4825

Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 1313 feet FNL, from North or South section line, and 1517 feet FWL, from East or West section line.
 Latitude: 40.535450 Longitude: -104.710390 PDOP Reading: 2.1 Date of Measurement: 12/21/2007
 Instrument Operator's Name: E. HERNANDEZ

5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

Special Purpose Pits: Drilling Pits: 1 Wells: 2 Production Pits: Dehydrator Units:
 Condensate Tanks: Water Tanks: Separators: Electric Motors: Multi-Well Pits:
 Gas or Diesel Motors: Cavity Pumps: LACT Unit: Pump Jacks: Pigging Station:
 Electric Generators: Gas Pipeline: Oil Pipeline: Water Pipeline: Flare:
 Gas Compressors: VOC Combustor: Oil Tanks: Fuel Tanks:

Other: THE GUSTAFSON 31-12 DIRECTIONAL WELL WILL BE ADDED TO THIS WELL PAD. OTH WELLS TO BE SERVICED BY EXISTING TANK BATTERY.

6. Construction:

Date planned to commence construction: 02/01/2011 Size of disturbed area during construction in acres: 2.50
 Estimated date that interim reclamation will begin: 03/01/2011 Size of location after interim reclamation in acres: 0.50
 Estimated post-construction ground elevation: 4825 Will a closed loop system be used for drilling fluids: Yes
 Will salt sections be encountered during drilling: Yes No Is H2S anticipated? Yes No
 Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes No
 Mud disposal: Offsite Onsite Method: Land Farming Land Spreading Disposal Facility
 Other: _____

7. Surface Owner:

Name: _____ Phone: _____
 Address: _____ Fax: _____
 Address: _____ Email: _____
 City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 01/31/2010
 Surface Owner: Fee State Federal Indian
 Mineral Owner: Fee State Federal Indian
 The surface owner is: the mineral owner committed to an oil and gas lease
 is the executer of the oil and gas lease the applicant
 The right to construct the location is granted by: oil and gas lease Surface Use Agreement Right of Way
 applicant is owner
 Surface damage assurance if no agreement is in place: \$2000 \$5000 Blanket Surety ID _____

8. Reclamation Financial Assurance:

Well Surety ID: 20090080 Gas Facility Surety ID: _____ Waste Mgnt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes No
 Distance, in feet, to nearest building: 985, public road: 860, above ground utilit: 710
 , railroad: 730, property line: 700

10. Current Land Use (Check all that apply):

Crop Land: Irrigated Dry land Improved Pasture Hay Meadow CRP
 Non-Crop Land: Rangeland Timber Recreational Other (describe): _____
 Subdivided: Industrial Commercial Residential

11. Future Land Use (Check all that apply):

Crop Land: Irrigated Dry land Improved Pasture Hay Meadow CRP
 Non-Crop Land: Rangeland Timber Recreational Other (describe): _____
 Subdivided: Industrial Commercial Residential

12. Soils:

List all soil map units that occur within the proposed location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to used when segregating topsoil.

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.gov/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: 32, KIM LOAM, 1 TO 3 PERCENT SLOPES

NRCS Map Unit Name: _____

NRCS Map Unit Name: _____

13. Plant Community:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes No

Plant species from: NRCS or, field observation Date of observation: _____

List individual species: _____

Check all plant communities that exist in the disturbed area.

- Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- Native Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)
- Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)
- Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)
- Mountain Riparian (Cottonwood, Willow, Blue Spruce)
- Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)
- Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)
- Alpine (above timberline)
- Other (describe): _____

14. Water Resources:

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: No Yes Was a Rule 901.e. Sensitive Areas Determination performed: No Yes

Distance (in feet) to nearest surface water: 132, water well: 1435, depth to ground water: 46

Is the location in a riparian area: No Yes Was an Army Corps of Engineers Section 404 permit filed No Yes

Is the location within a Rule 317B Surface Water Suppl Area buffer zone:

No 0-300 ft. zone 301-500 ft. zone 501-2640 ft. zone

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: No Yes

15. Comments:

THIS AMENDED LOCATION ASSESSMENT ADDS THE GUSTAFSON 31-12 TO BE DRILLED FROM THE GUSTAFSON 31-52 WELL PAD. 14. WATER RESOURCES: NEAREST WATER WELL REFERENCE PERMIT #6237-R IS REFERENCED ON MAPS AS CLOSE TO THE CENTER OF THE NWSW OF SEC. 31, NEXT TO COUNTY ROAD 37, AND BEING 1435' FROM THE PROPOSED GUSTAFSON 30-52 WELL LOCATION. SUA IS ATTACHED FOR REFERENCE. COAS: 1) BEST MANAGEMENT PRACTICES SHALL BE IN PLACE TO ENSURE THAT FLUID AND/OR SEDIMENT FROM THE LOCATION DOES NOT ENTER THE DITCH (MEAD LATERAL) LOCATED TO THE EAST. 2) SURFACE DISTURBANCE SHALL NOT ENCROACH ON IRRIGATION DITCH (MEAD LATERAL) LOCATED 132 FEET TO THE EAST. 3) LOCATION MAY BE IN A SENSITIVE AREA DUE TO SHALLOW GROUNDWATER; THEREFORE IF DRILLING PITS INTERCEPT GROUNDWATER THE PIT MUST BE LINED OR A CLOSED LOOP SYSTEM USED.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: _____ Date: 12/13/2010 Email: JREALE@GWOGCO.COM

Print Name: JEFF REALE Title: VP OPERATIONS

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: David S. Neslin Director of COGCC Date: 2/10/2011

CONDITIONS OF APPROVAL, IF ANY:

All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.

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Attachment Check List

Att Doc Num	Name
2591484	FORM 2A
2591485	MULTI-WELL PLAN

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Hold removed - tank battery passed OGLA 2/10.	2/10/2011 6:59:35 AM
OGLA	Operator has included COAs from original Form 2A (Doc 2583290) in comments.	1/21/2011 2:45:43 PM
OGLA	Form 2A (Doc 2592567) for Tank Battery to east has been submitted and ready to pass 2/10/2011.	1/21/2011 2:42:53 PM
OGLA	ON HOLD - operator must submit a Form 2A for the multi-well tank battery located east of proposed location. Tank battery form 2A must be approved prior to passing this amended 2A for the well location.	12/21/2010 12:41:00 PM

Total: 4 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)